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Total Number of Pages in This Submission

17

Application Number

10/743,840

Filing Date

12/22/2003

First Named Inventor

Murphy

Art Unit

2875

Examiner Name

Stafira

Attorney Docket Number

200917

ENCLOSURES (Check all that apply)

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| <input type="checkbox"/> Fee Transmittal Form | <input type="checkbox"/> Drawing(s) | <input type="checkbox"/> After Allowance Communication to TC |
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| <input checked="" type="checkbox"/> Amendment/Reply | <input type="checkbox"/> Petition | <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) |
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Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Harris Beach, LLP		
Signature	<i>Robert C. Brown</i>		
Printed name	Robert C. Brown		
Date	April 10, 2006	Reg. No.	37,057

CERTIFICATE OF TRANSMISSION/MAILING

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Signature	<i>Robert C. Brown</i>		
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT EXAMINING OPERATION

Serial Number: 10/743,840
Applicants: Murphy et al.
Filing Date: 12/22/2003
Title: METHOD FOR CALIBRATING THE GEOMETRY OF
A MULTI-AXIS METROLOGY SYSTEM
Examiner: Stafira, M.P., Art Unit 2877
Attorney Docket No.: 200917

COMMISSIONER FOR PATENTS

P.O. Box 1450

1. Alexandria, VA 22313-1450 In a metrology system including a wavefront-measuring gauge and part-positioning means having at least one rotational axis and at least one translational axis, a method for aligning said one rotational axis and said one translational axis comprising the steps of:

a) mounting a test part on said rotational axis; and
b) obtaining gauge measurements of the surface of said test part at a plurality of positions of said rotational axis.

RESPONSE TO A FIRST OFFICE ACTION

Sir:

This paper is in timely response to an Examiner's

Office Action mailed 03/22/2006.

Amendments to the Claims are reflected in the listing of claims which begins on Page 2 of this paper.

Remarks begin on page 16 of this paper.